

CLAIMS

1. A device for UV-irradiating of human's cutaneous covering, i.e., a vertical solarium comprising a cylinder-shaped body closed along the perimeter thereof provided with a door and accommodating 'n' fluorescent lamps for taking sunless tan, said lamps being spaced apart at an equal angular pitch round an axis which is at the same time the solarium's axis, and being arranged parallel thereto and equidistantly therewith, said device further comprising a cylinder-shaped mirror reflector which is coaxial with the solarium body and is interposed between the lamps and said body, CHARACTERIZED in that the reflector is comprised of $2n$ alternating areas (integrated into a cylinder) of first-type and second-type involute cylinder-shaped surfaces the evolutes of which are closed curves which limit the convex transverse sections of the lamp and conventional absorber, respectively, each area of the first-type surface is disposed immediately behind each lamp and appears as a portion of an involute cylinder-shaped surface generated by moving a straight line parallel to the solarium body axis lengthwise the involute of a closed curve which limits the convex transverse section of the lamp, and each area of the second-type surface is disposed between the lamps and is a portion of an involute cylinder-shaped surface generated by moving a straight line parallel to the solarium body axis lengthwise the involute of a closed curve which limits the transverse section of the conventional absorber.